

Message Text

CONFIDENTIAL

PAGE 01 IAEA V 10641 231611Z

73

ACTION OES-05

INFO OCT-01 NEA-10 IO-10 ISO-00 AID-05 FEA-01 ACDA-05

CIAE-00 INR-07 L-03 NSAE-00 NSC-05 EB-07 NRC-05

DODE-00 SP-02 PM-04 /070 W
----- 007438

R 231440Z DEC 75

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 6859

INFO AMCONSUL BOMBAY

AMEMBASSY NEW DELHI

USERDA GERMANTOWN

C O N F I D E N T I A L IAEA VIENNA 10641

PASS IO/SCT

E.O. 11652: GDS

TAGS: IAEA, TECH, PARM, IN

SUBJECT: IAEA SAFEGUARDS AT TARAPUR INDIA REPROCESSING PLANT

REF: A) STATE 253961; B) IAEA VIENNA 5632

1. MISOFFS DISCUSSED IAEA PLANS FOR SUBJECT SAFE-
GUARDS WITH INSPECTOR GENERAL ROMETSCH AND NAKICENOVIC,
BERANEK AND SCHAER OF HIS STAFF.

2. INSPECTORATE HAS OBTAINED EXTENSIVE TECHNICAL
DESIGN INFORMATION FROM INDIA RE TARAPUR REPROCESSING
PLANT, SUFFICIENT TO ENABLE DRAFTING MAJOR PORTION
OF SPECIFIC SAFEGUARDS SUBSIDIARY ARRANGEMENTS AND
FACILITY ATTACHMENT FOR PLANT. ADDITIONAL REQUIRED
INFORMATION NOT YET AVAILABLE, BUT EXPECTED TO BE
RECEIVED WHEN DEVELOPED AT PLANT (E.G., SUFFICIENT
DETAILS ABOUT PLANNED IN-PLANT TRANSFERS, BATCH
SIZES, MATERIAL STRATIFICATION, ETC., TO DETERMINE
SAMPLING PLANS). SOME ADDITIONAL DESIRED INFORMATION
CAN BE DEVELOPED ONLY ON THE BASIS OF OPERATING
CONFIDENTIAL

CONFIDENTIAL

PAGE 02 IAEA V 10641 231611Z

EXPERIENCE AT THE PLANT AND WILL BE AVAILABLE AFTER

THE INITIAL CAMPAIGN HAS BEEN COMPLETED.

3. ONE EXAMPLE OF AREAS WHERE POTENTIAL PROBLEM MAY ARISE, WHICH CANNOT BE FULLY EVALUATED AT THIS TIME, IS FACT THAT NO EQUIPMENT FOR MEASURING RESIDUAL NUCLEAR MATERIAL CONTENT OF LEACHED HULLS (WHICH ARE SENT TO WASTE BURIAL) WAS INCLUDED IN PLANT. ANOTHER EXAMPLE, COMMON TO ALL NEW REPROCESSING PLANTS, IS DETERMINATION OF EQUILIBRIUM PLANT HOLD-UP OF NUCLEAR MATERIAL, AFTER "CLEANOUT." SUCH HOLD-UP CANNOT BE ACCURATELY PREDICTED. SEE REF B.

4. ALSO, INDIA DOES NOT PLAN TO TO ISOTOPIC ANALYSIS OF INPUT FOR ITS OWN PURPOSES, AND SAFEGUARDS AGREEMENT GIVES AGENCY NO RIGHT TO REQUIRE THEM TO DO SO. SINCE SUCH INFORMATION WOULD BE USEFUL FOR SAFEGUARDS PURPOSES, AGENCY MUST EVALUATE PROS AND CONS OF OBTAINING NECESSARY SAMPLES AND DOING ITS OWN ISOTOPIC ANALYSIS.

5. AGENCY STAFF HELD DETAILED TALKS WITH INDIANS IN SEPTEMBER AND OCTOBER ON DOCUMENT COVERING RECORDS, REPORTS AND SCOPE OF INSPECTIONS AND SETTING FORTH AGENCY'S RIGHTS, INCLUDING CONTINUAL INSPECTION (IMMEDIATE ACCESS AT ALL TIME BY INSPECTORS AT PLANT SITE), ARRANGEMENTS FOR SAMPLING ALL INPUT AND PRODUCT BATCHES, AND CONTAINMENT AND SURVEILLANCE TECHNIQUES TO BE USED. INDIA PLANS TO OPERATE PLANT ON "CLEAN PLANT TO CLEAN PLANT" BASIS, I.E., PROCESSING SAFEGUARDED CAMPAIGNS WITH PLANT CLEANOUT BEFORE AND AFTER. THIS LIMITS THE POTENTIAL FOR PASSING MUF ALONG FROM BATCH TO BATCH AS A DIVERSION TECHNIQUE. AGENCY EXPECTS HAVE TWO OR THREE INSPECTORS ON SITE DURING EACH SAFEGUARDED CAMPAIGN WITH ONE OR MORE EXTRA AT FINAL CLEAN-OUT. EACH CAMPAIGN COULD LAST SEVERAL MONTHS.

6. AGENCY BELIEVES RIGHTS THEY HAVE SOUGHT ARE SUFFICIENTLY BROAD SO THAT, GIVEN EXPECTED EVENTUAL SATISFACTORY RESOLUTION OF PROBLEMS NOTED PARAS 3 AND

CONFIDENTIAL

PAGE 03 IAEA V 10641 231611Z

4 ABOVE, EFFECTIVE SAFEGUARDS COULD BE IMPLEMENTED UNDER STA. IT MUST BE RECOGNIZED, HOWEVER, AS IN ALL APPLICATIONS OF IAEA SAFEGUARDS, UNFORESEEN PROBLEMS MAY ARISE WHICH COULD CAUSE THE AGENCY TO DETERMINE THAT IT CAN NO LONGER IMPLEMENT EFFECTIVE SAGEGUARDS. THE U.S. WOULD BE INFORMED OF ANY SUCH DETERMINATION.

7. RE QUESTION PARA 4 REFTL, ALTHOUGH AGENCY CURRENTLY HAS ORAL AGREEMENT BY INDIA TO PROVISIONS NOTED PARA 5 ABOVE, AGENCY NOT RPT NOT IN POSITION TO GIVE US FORMAL, WRITTEN DETERMINATION THAT SAFEGUARDS MAY BE EFFECTIVELY APPLIED UNTIL IT HAS RECEIVED INDIAN AGREEMENT IN WRITING, WHICH THEY HOPE RECEIVE SHORTLY. MISSION HAS ASKED AGENCY TO INFORM USG IN WRITING OF SUCH DETERMINATION ASAP. MISSION WILL INFORM WASHINGTON AS SOON AS AGENCY HAS REPLIED.

7. INDIA CURRENTLY PLANS START INITIAL CAMPAIGN MARCH 1, 1976. ASSUMING AGENCY DETERMINATION PARA 7 CAN BE MADE, AGENCY EXPRESSED HOPE RECEIVE NOTICE OF JOINT US/INDIA DETERMINATION, CALLED FOR ARTICLE E OF US/INDIA BILATERAL, PRIOR FEB. 1, 1976, SO AS TO BE ABLE TO MAKE FIRM INSPECTION PLANS FOR INITIAL CAMPAIGN. IN LIGHT OF QUALIFICATION NOTED PARA 6 ABOVE, DEPARTMENT MAY WISH CONSIDER, IN ANY EVENT, CONDITIONING APPROVAL OF REPROCESSING ON CONTINUED IAEA ABILITY TO APPLY EFFECTIVE SAFEGUARDS AT PLANT.LABOWITZ

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: NUCLEAR SAFEGUARDS, NUCLEAR POWER PLANTS
Control Number: n/a
Copy: SINGLE
Draft Date: 23 DEC 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: GarlanWA
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975IAEAV10641
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: D750446-0023
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19751216/aaaaannx.tel
Line Count: 135
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION OES
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 76 STATE 253961, 76 IAEA VIENNA 5632
Review Action: RELEASED, APPROVED
Review Authority: GarlanWA
Review Comment: n/a
Review Content Flags:
Review Date: 22 SEP 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <01 APR 2003 by ShawDG>; RELEASED <22 SEP 2003 by greeneet>; APPROVED <23 SEP 2003 by GarlanWA>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
06 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: IAEA SAFEGUARDS AT TARAPUR INDIA REPROCESSING PLANT
TAGS: TECH, PARM, IN, IAEA
To: STATE
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 06 JUL 2006